



# **RESO Remote**

## **digital tech summit**

**PUTTING CERTIFIABLE ORGANIZATIONS ON  
THE MAP (LITERALLY, WE BUILT A MAP)**

G. SAX | RESO

# S P E A K E R

## Greg Sax

RESO Director of Growth Management

**Role:** help RESO eat multivitamins to achieve project goals.

**Pertinent Work History:** association, vendor, data, maps.

**Hobbies:** carbs, sugar.







# A MAP! LONG DESIRED



#RESOremote  
REAL ESTATE STANDARDS ORGANIZATION





# THEN WHY NO MAP?

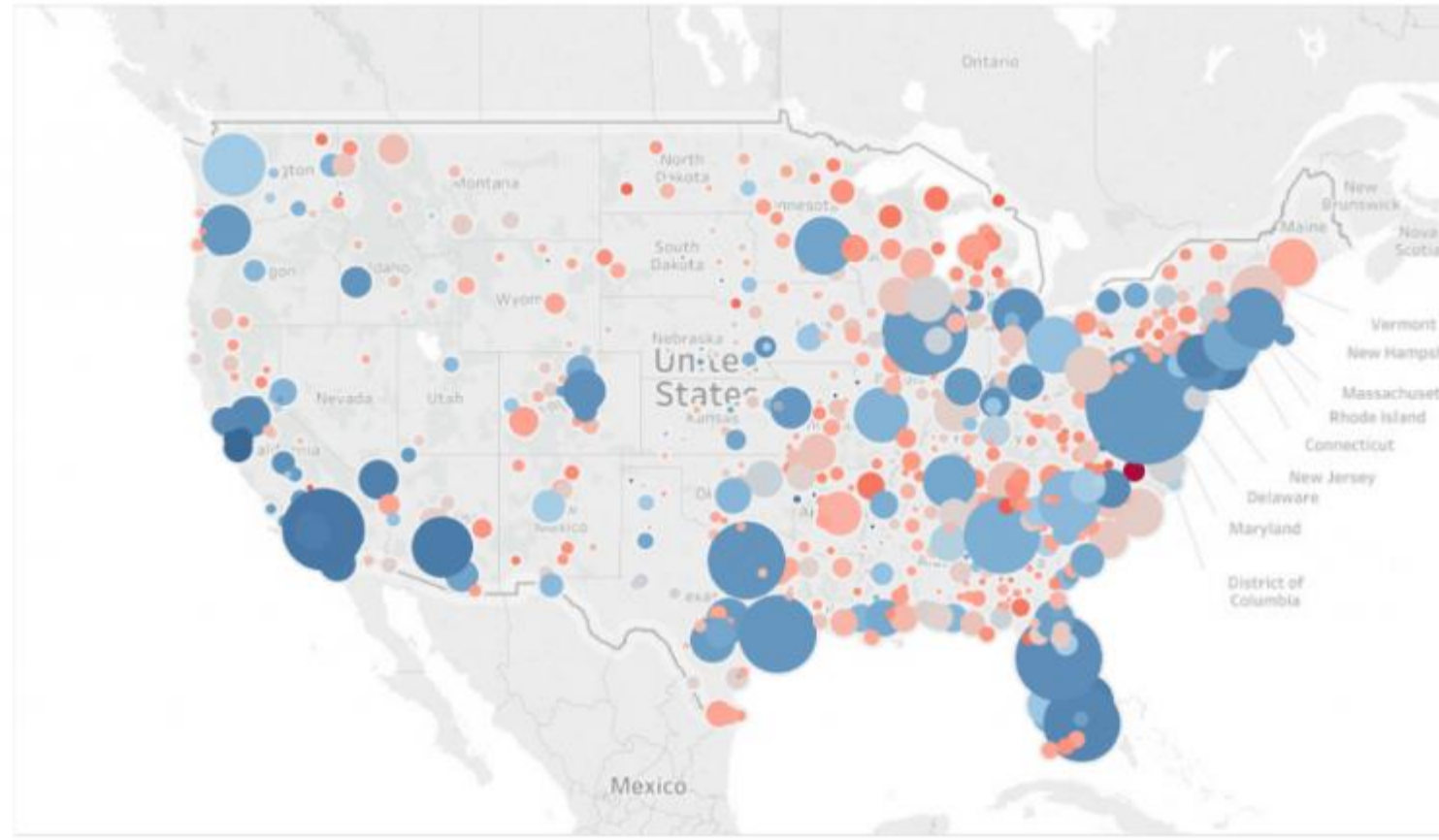
- Small staff
- Big project
- Low money
- Busy volunteers
- Many moving parts
- Disparate worlds
- Confusion!





*Sam* ❤️

U.S. MLSs: By Agent Count and Listing Count



*The MLS Map – [themlsmap.com](http://themlsmap.com)*






*Me!*



FIRST THINGS FIRST

# Organizational Unique Identifier (OUID)



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REAL ESTATE STANDARDS ORGANIZATION








*I'm dead.*



FIRST THINGS FIRST

# Organizational Unique Identifier (OUID)



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# TRACKING THE ID IN OUID – OLD

MLS			Commercial		Technology	
M00000808	Mesquite Real Estate Association				T00000044	Bridge
M00000812			C00000006 is the last #		T00000045	MLSGrid
M00000813	Darien/CT		C00000007 ICRE		T00000046	Real Estate Board of New York
M00000814	Grenada/MS	was M00000248			T00000047	Pivotal Energy Solutions, LLC
M00000818	Rockford/IL	was M00000248			T00000048	Black Knight Financial Services
M00000819	Iowa Great Lakes MLS	Never Had an MLS OUID			T00000049	Catylist
M00000820	North Santa Barbara County MLS	Inactivated M0000095			T00000050	CoreLogic
M00000821	Bonita Springs-Estero Assoc.				T00000051	dynaConnections
M00000822	Naples Area Board Of Realtors				T00000052	FBS-Creators of FlexMLS
M00000823					T00000053	Zillow
M00000824	Idyllwild MLS				T00000054	AccountTECH
M00000825	Douglas/Coffee County Board of Realtors				T00000055	Agentjet, Inc.
M00000826	Mid Valley Association of REALTORS® MLS				T00000056	Avenue Labs, Inc.
M00000827	Randolph County Board of Realtors MLS				T00000057	Chime Technologies, Inc.
M00000828	Greenwood Board Of Realtors® Inc				T00000058	Constellation Web Solutions, Inc.
M00000829					T00000059	Delta Media Group, Inc.
M00000830	Yes, MLS / Ohio				T00000060	Digital Creations
M00000831	Dumas Board of Realtors				T00000062	Firepoint
M00000832	Lake Havasu Association of REALTORS				T00000062	Firepoint solutions, Inc.
M00000833	Pasadena Foothills Association of REALTORS				T00000063	iHOUSEweb, Inc.
M00000834	The MLS of Puerto Rico				T00000064	Inside Real Estate
M00000835	Northeast South Dakota Board of REALTORS				T00000065	Pivot Creates LLC
M00000836	Dalhart Board of REALTORS				T00000066	Real Estate Digital
M00000837	Pampa Board of REALTORS				T00000068	Real Estate Webmasters
M00000838	West Central Assoc. of REALTORS				T00000068	Real Estate Webmasters
M00000839	St. Joseph County Association of REALTORS				T00000069	realistiQ
M00000840	Greater Kalamazoo Assoc. of REALTORS				T00000070	Realtyna LLC
M00000841	Montcalm County Association of REALTORS				T00000071	TOURCHx
M00000842	Hillsdale County Board of REALTORS				T00000067	Tribus Group

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# OUID LAYOUT – OLD

OUID	TYPE	ASSOC2MLS	Name	STATE	ADDRESS	CITY	ZIP
M00000262	MLS		Knox County Association Of Realtors	IN	P. O. Box 221	Vincennes	47591
A00000639	ASSOCIATION	M00000262	Knox County Association Of Realtors®	IN		Vincennes	
A00000641	ASSOCIATION	M00000256	Kosciusko Board Of Realtors®	IN	475 Anchorage Road, Suite 2	Warsaw	46580
A00000622	ASSOCIATION	M00000256	Lafayette Regional Association Of Realtors® Inc	IN	1415 Union St	Lafayette	47904
A00000621	ASSOCIATION	M00000259	Laporte County Association Of Realtors®	IN	P.O. Box 248	La Porte	46352
A00000626	ASSOCIATION		Marion Area Board Of Realtors® Inc	IN		Marion	
M00000255	MLS		Metropolitan Indianapolis Board Of Realtors	IN	1912 North Meridian Street	Indianapolis	46202-1304
A00000617	ASSOCIATION	M00000255	Metropolitan Indianapolis Board Of Realtors®	IN	9100 Purdue Road	Indianapolis	46268
A00000633	ASSOCIATION		Miami County Board Of Realtors®	IN		Peru	
A00000629	ASSOCIATION	M00000256	Mid-Eastern Indiana Association Of Realtors® Inc	IN	3908 N Rosewood Ave	Muncie	47304
A00000605	ASSOCIATION		Montgomery County Board Of Realtors®	IN		Crawfordsville	
A00000632	ASSOCIATION		Muscatatuck Board Of Realtors®	IN	P O Box 559	North Vernon	47265
A00000634	ASSOCIATION	M00000256	North Central Indiana Association Of Realtors® Inc	IN	409 N. Michigan St.	Plymouth	46563
A00000618	ASSOCIATION	M00000256	Northeastern Indiana Association Of Realtors® Inc	IN	521 Professional Way	Kendallville	46755
A00000612	ASSOCIATION	M00000255	Putnam County Board Of Realtors®	IN	PO Box 746	Greencastle	46135
A00000642	ASSOCIATION		Randolph County Board Of Realtors®	IN		Winchester	
A00000620	ASSOCIATION	M00000256	Realtors® Association Of Central Indiana	IN	1620 E Hoffer Street	KOKOMO	46902
M00000260	MLS		Richmond Association Of Realtors	IN	3108 Backmeyer	Richmond	47374
A00000635	ASSOCIATION	M00000260	Richmond Association Of Realtors®	IN	1010 South A Street	Richmond	47374
M00000263	MLS		South Central Indiana Listing Exchange	IN			
M00000251	MLS		Southeastern Indiana Board Of Realtors	IN	218 Fourth Street	Aurora	47001
A00000596	ASSOCIATION	M00000251	Southeastern Indiana Board Of Realtors® Inc	IN	218 Fourth St	Aurora	47001

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# TRACKING THE ID IN OUID – NEW

Local Associations		MLS		Commercial Associations		Technology	
A00000001	Available	M00000005	Available	C00000033	Central Oklahoma Commercial Association of REALTORS®	T00000002	Available
A00000026	Available	M00000007	Available	C00000034	Available	T00000008	Available
A00000029	Available	M00000012	Available	C00000035	Available	T00000009	Available
A00000031	Available	M00000016	Available	C00000036	Available	T00000010	Available
A00000065	Available	M00000026	Available	C00000037	Available	T00000011	Available
A00000083	Available	M00000027	Available	C00000038	Available	T00000012	Available
A00000100	Available	M00000032	Available	C00000039	Available	T00000014	Available
A00000113	Available	M00000034	Available	C00000040	Available	T00000015	Available
A00000155	Available	M00000036	Available	C00000041	Available	T00000016	Available
A00000166	Available	M00000056	Available	C00000042	Available	T00000017	Available
A00000188	Available	M00000064	Available			T00000018	Available
A00000190	Available	M00000065	Available			T00000019	Available
A00000207	Available	M00000069	Available			T00000020	Available
A00000220	Available	M00000070	Available			T00000021	Available
A00000231	Available	M00000074	Available			T00000022	Available
A00000247	Available	M00000075	Available			T00000023	Available
A00000257	Available	M00000077	Available			T00000024	Available
A00000259	Available	M00000080	Available			T00000025	Available
A00000262	Available	M00000083	Available			T00000026	Available
A00000266	Available	M00000085	Available			T00000027	Available
A00000269	Available	M00000086	Available			T00000028	Available
A00000294	Available	M00000098	Available			T00000029	Available
A00000315	Available	M00000107	Available			T00000030	Available
A00000325	Available	M00000112	Available			T00000031	Available
A00000358	Available	M00000124	Available			T00000032	Available
A00000367	Available	M00000133	Available			T00000033	Available
A00000369	Available	M00000135	Available			T00000034	Available
A00000372	Available	M00000142	Available			T00000035	Available
A00000376	Available	M00000152	Available			T00000036	Available
A00000384	Available	M00000157	Available			T00000037	Available
A00000403	Available	M00000160	Available			T00000038	Available
A00000412	Available	M00000162	Available			T00000040	Available
A00000414	Available	M00000167	Available			T00000081	Virginia MLS CoOp
A00000445	Available	M00000196	Available				

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# OUID LAYOUT – NEW

OUID	Type	Name	Address	City	State	PostalCode
M00000510	MLS	Knox County Board of REALTORS®	10 S Gay St, PO Box 488	Mount Vernon	OH	43050
M00000582	MLS	Knoxville Area Association of REALTORS®	609 Weisgarber Rd	Knoxville	TN	37919
M00000182	MLS	Lake Country Board of REALTORS®	1041 Village Park Dr, Ste 103	Greensboro	GA	30642
M00000832	MLS	Lake Havasu Association of REALTORS®	2293 Swanson Ave	Lake Havasu City	AZ	86403
M00000004	MLS	Lake Martin Area Association of REALTORS®	260 Church St	Alexander City	AL	35010
M00000361	MLS	Lake of the Ozarks Board of REALTORS® MLS	123 Oddo Dr, PO Box 507	Sunrise Beach	MO	65079
M00000337	MLS	Lake Superior Area REALTORS®	4031 Grand Ave	Duluth	MN	55807
M00000584	MLS	Lakeway Area Association of REALTORS®	PO Box 1815	Morristown	TN	37816
M00000500	MLS	Lancaster Board of REALTORS®	127 W Wheeling St	Lancaster	OH	43130
M00000697	MLS	Laramie Board of REALTORS® MLS	PO Box 1214	Laramie	WY	82073
M00000603	MLS	Laredo Association of REALTORS®	1407 Calle Del Norte, Ste 10	Laredo	TX	78041
M00000466	MLS	Las Vegas REALTORS®	6360 S Rainbow Blvd	Las Vegas	NV	89118
M00000812	MLS	Lassen Association of REALTORS®	1740 Main St, Ste C	Susanville	CA	96130
M00000369	MLS	Laurel Board of REALTORS®	910 Sawmill Rd, Ste 238	Laurel	MS	39440
M00000269	MLS	Lawrence Board of REALTORS®	3838 W 6th St	Lawrence	KS	66049
M00000516	MLS	Lawton Board of REALTORS®	1608 NW Euclid Ave	Lawton	OK	73507
M00000008	MLS	Lee County Association of REALTORS®	880 N Dean Rd	Auburn	AL	36830
M00000717	MLS	Lewis and Clark Board of REALTORS®	PO Box 258	Yankton	SD	57078
M00000230	MLS	Lewis-Clark Association of REALTORS®	810 Main St	Lewiston	ID	83501
M00000288	MLS	Lexington-Bluegrass Association of REALTORS®	2250 Regency Rd	Lexington	KY	40503
M00000783	MLS	Lincoln County Board of REALTORS®	301 W 4th St, Rm 1021	North Platte	NE	69101
M00000529	MLS	Lincoln County Board of REALTORS® MLS	2403 NW Hwy 101, Ste I	Lincoln City	OR	97367

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# OID ON THE WEBSITE

NEWS

SERVICES

RESO WEB API

DATA DICTIONARY

CERTIFICATION

RESO

Brokers MLSS T

DATA DICTIONARY WIKI

UNIVERSAL PROPERTY ID

ORGANIZATIONAL  
UNIQUE ID (OID) API

WEB API DEVELOPER  
REFERENCE SERVER

MARKETING TOOLKIT

CONFLUENCE  
WORKGROUP  
COLLABORATION

MEMBER ACCOUNT  
LOGIN

ub

## Organizational Unique Identifier (OID) API

RESO's Organization Unique Identifier (OID) provides a unique ID for a growing list of individual organizations. The list includes local REALTOR® associations, state REALTOR® associations, commercial REALTOR® associations and other affiliated businesses.

You can query the RESO OID API to receive basic organizational information along with its OID.

Data providers should include their OID in data feeds so data recipients can accurately identify the organization of data in an aggregated database.

Technology partners utilizing data should use the OID to assist with the management of multiple data feeds. This will help with clear notation of data originators and will allow for easier data de-duplication. In addition, technology partners can utilize the OID to look up association-to-MLS relationships. This can be helpful when an association provides a lockbox or showing service but the underlying data is from an MLS source that must be linked to the association's system.

The RESO Data Dictionary includes standardized containers for the OID from version 1.5 and beyond .

This API can be used to extract active and inactive information about organizations. Parameters available for data query are as follows: oid, active, org, type, city, state, country and zip. This is a public API, no credentials are required to query OID data. Data is updated every Friday.

### Parameter Description

oid	Search by Organizational Unique ID. Example: <a href="https://www.reso.org/oid/?oid=A00000007">https://www.reso.org/oid/?oid=A00000007</a>
assoc2mls	Search by association to an MLS organization. Example: <a href="https://www.reso.org/oid/?assoc2mls=M00000001">https://www.reso.org/oid/?assoc2mls=M00000001</a> <a href="https://www.reso.org/oid/?assoc2mls=M00000002">https://www.reso.org/oid/?assoc2mls=M00000002</a>
active	Search for active or inactive organizations. Example: Active: <a href="https://www.reso.org/oid/?active=1">https://www.reso.org/oid/?active=1</a> Inactive: <a href="https://www.reso.org/oid/?active=0">https://www.reso.org/oid/?active=0</a>



# OID ON THE WEBSITE

## The XML Markup

```
<organizations>
  <organization>
    <name>Anchorage Board Of REALTORS</name>
    <oid>A000000002</oid>
    <assoc2mls>M000000001</assoc2mls>
    <type>ASSOCIATION</type>
    <active>1</active>
    <url>www.ancboard.com</url>
    <location>
      <address>3340 Arctic Blvd, #101</address>
      <city>Anchorage</city>
      <state>AK</state>
      <zip>99503</zip>
      <country>USA</country>
    </location>
    <updated>2020-01-06</updated>
  </organization>
</organizations>
```

## The JSON Markup

```
{"organization":
  {
    "name":"Anchorage Board Of REALTORS",
    "oid":"A000000002",
    "assoc2mls":"M000000001",
    "type":"ASSOCIATION",
    "active":"1",
    "url":"www.ancboard.com",
    "location":
      {
        "address":"3340 Arctic Blvd, #101",
        "city":"Anchorage",
        "state":"AK",
        "zip":"99503",
        "country":"USA"
      },
    "updated":"2020-01-06"
  },
  "copyright":"2020 RESO. All rights reserved"}
```



YOU, TOO, CAN HELP!

## OID API Update Request Form

Name\*

Email\*

Comments/Message\*

Send

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# GUID ON THE WEBSITE

## Acknowledgements



Jeremy Crawford  
Karen Dupriest



Allen Wright



Bill Kellog



Rick Sherwood



Clint Skutchan

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# REAL ESTATE ALMANAC

T3 60			Home	State Associations	Local Associations	Multiple Listing Services	Press	Q
Home > Top Associations/MLS > Multiple Listing Services								
Released February 20, 2020								
Top Multiple Listing Services								
The residential real estate brokerage industry's multiple listing services listed as of December 31, 2019. Data is sorted by member count.								
Rank	Local Association		2019 Membership					
1	California Regional MLS San Dimas, CA		101,502					
2	Bright MLS Rockville, MD		90,932					
3	Stellar MLS Maitland, FL		58,447					
4	SEF MLS (Miami Realtors®) Miami, FL		49,400					
5	First Multiple Listing Service Atlanta, GA		45,670					
6	Midwest Real Estate Data Lisle, IL		45,260					







# NOT THE FIRST TO TRY



List of MLS in the U.S.



## List of MLS in the U.S.

27 May 2018 Posted at 10:48h by Tait MilitanaShare

This list of [MLS](#) in the U.S. provides a state-by-state breakdown of the 611 multiple [listing](#) services currently active in the real estate industry.

Providing a list of all MLS in the U.S. is fairly difficult. First, the number is constantly changing. The number of MLS in the U.S. has been declining over several years as MLS merge. For more on this subject, check out our blog post on the [shifting landscape for MLS](#).

Second, [NAR](#) does not publish a definitive list of MLS in the U.S.

So we are left to do some guessing and checking based on public information and statements from industry leaders. In November, a [REISO official](#) cited about 645 MLS. By our count, there are 611 currently. If we forgot your MLS, leave us a note in the comments.

*Updated 5/1/2019*

### Alabama

Baldwin County Association of REALTORS®  
Covington Association of REALTORS®





# BIG DIFFERENCES



Victor Valley MLS (High Desert Association of REALTORS®)

Southwest MLS (Greater Albuquerque Association of REALTORS®)

Brevard MLS (Space Coast Association of REALTORS®)

Southern New Mexico MLS (Las Cruces Association of REALTORS®)

SEF MLS (Miami Association of REALTORS®)

Dothan Multiple Listing Service (Southeast Alabama Association of REALTORS®)

Gulf Coast MLS (Mobile Area Association of REALTORS®)

Capital Area Technology & REALTOR® Services (Tallahassee Board of REALTORS®)

# NO DIFFERENCES



West Central Association of REALTORS® (MI)  
West Central Association of REALTORS® (MN)  
West Central Association of REALTORS® (MO)  
West Central Association of REALTORS® (OH)

# BRAND ACRONYMS



MLS of Greater Cincinnati (CincyMLS)

MLS of Hilton Head Island (HHIMLS)

MLS Property Information Network (MLS PIN)

Midwest Real Estate Data (MRED)

California Regional Multiple Listing Service (CRMLS)

Arizona Regional Multiple Listing Service (ARMLS)



CAN SOMEONE PLEASE?



Yes MLS!

Yes-MLS

Yes MLS

YES MLS, INC

Yes-MLS Inc.

YES MLS

YES-MLS

REMOVED



, Inc  
, Inc.

LLC  
dba

# ASSURED



- REALTORS®
- http:// or https://
- USPS Address Standards  
*(St, Ave, Pkwy, Rd, Ln, Dr, Blvd, Hwy, Ste, etc.)*



WHY, BOY, WHY?



# CONSISTENCY

An abstract graphic on the left side of the slide, featuring a dark background with a network of white lines and dots, resembling a molecular structure or a digital network. The lines connect various points, some of which are highlighted with small white circles.

# SECOND THINGS SECOND Certification

A thin, vertical white line positioned to the right of the main title.

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# CERTS ON THE WEBSITE



## Certification

RESO certifies systems to ensure they comply with real estate data standards. A RESO certification is a badge of honor for a system which technology developers and brokerages can rely upon to be interoperable with other tools.

The goal of certification is to bring a technology experience to real estate that consumers and professionals expect. Consumers demand a smartphone experience where apps, servers, and any other systems can talk to one another and operate seamlessly together. Standards provide that common language.

### Certification Quick Facts

- RESO is currently certifying on Web API 1.0.2 and Data Dictionary 1.6.
- Certifications on the two most recent versions of a standard are viewed as active certifications by RESO.
  - Certification on the most recent standard is classified as "Certified Current".
  - Certification on the previous most recent standard is classified as "Certified Legacy".
- The National Association of REALTORS® requires REALTOR® owned and operated MLSSs to be in compliance with the most recent RESO standards, i.e. Certified Current, within 12 months of RESO ratification.
- Certification isn't just for MLSSs. Brokers and technology vendors with Web API servers are also certifying with RESO.

### RESO Certified Organizations

- **RESO Certifications Awarded:** A list of those organizations with current certificates awarded by RESO
- **MLSSs Not Certified:** A list of MLS organizations without current RESO certifications

### The Certification Process

1. **Application and verification:** Organizations seeking certification [apply through the RESO website](#). RESO reviews the application for current membership status, a current signed Trademark Agreement and a signed Declaration (available [here](#)).
2. **Certification payment:** Certifications are complimentary for RESO members. Non-members should review the [RESO Certification Fee Schedule](#).
3. **Compliance testing:** RESO uses access credentials supplied by the applicant and/or applicant's technology vendor and runs the appropriate





# CERTS ON THE WEBSITE

## RESO Officially Certified Entities

### Certified Multiple Listing Services: MLSs

[View Certified MLSs](#)

### Certified Technology Companies

[View Certified Technology Companies](#)

### Certified Brokerages

[View Certified Brokerages](#)

### Complete Certification List

[Download the complete list of RESO certified entities in JSON format](#)

*\*updated daily*

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# CERTS ON THE WEBSITE

<b>Lake of the Ozarks Board of REALTORS®</b>	▼
OID: M00000361	
<b>Lake Superior Area REALTORS®</b>	▼
OID: M00000337	
<b>Lakeway Area Association of REALTORS®</b>	▼
OID: M00000584	
<b>Lancaster Board of REALTORS®</b>	▼
OID: M00000500	
<b>Laramie Board of REALTORS®</b>	▼
OID: M00000697	
<b>Laredo Association of REALTORS®</b>	▼
OID: M00000603	
<b>Las Vegas REALTORS®</b>	▼
OID: M00000466	
<b>Certification Date</b>	Active
October 30, 2019	
<b>Product Name/Version</b>	RESO®
CoreLogic Trestle Web API 1.0.2 Server	
<b>Certification Type</b>	PLATINUM CERTIFIED
Data Dictionary	
<b>Certification Version</b>	
1.6 Platinum	
<b>Organizational Unique ID</b>	
M00000466	
<b>Details</b>	
Property, PropertyRooms, PropertyUnitTypes, Office, Member, Media, OpenHouse	
<b>Lassen Association of REALTORS®</b>	▼
OID: M00000812	
<b>Laurel Board of REALTORS®</b>	▼
OID: M00000369	

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REAL ESTATE STANDARDS ORGANIZATION



# CERTIFICATION LAYOUT – OLD

Organization Name	Product Name / Version	Certification Type	Version	Status	Date Certified	Certificate Expiration	Details	Membership Size	Zip Code	Certification AppUID	Organization Unique ID (RESO OUID)
Gainesville MLS Inc.	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	938	32606	DD1501807233	M00000139
Georgia MLS	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	27945	30084-8140	DD1501807234	M00000188
Grand Junction Area Association of Realtors	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	674	81506	DD1501807225	M00000729
GREATER FAIRBANKS BOARD OF REALTORS	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	206	99701-6043	DD1501807227	M00000002
Greater Mason City Board Of Realtors	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	86	50401-2517	DD1501807238	M00000694
Greater Pocatello Association of REALTORS	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	239	83201-6102	DD1501807245	M00000233
Hot Springs Board Of Realtors	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	303	71901	DD1501807228	M00000029
Jackson County Board Of Realtors	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property, Member, OfficeSocialMedia, PropertyRoom, Office, PropertyGreenBuildingVerification, Media, PropertyUnitType	58	47201	DD1501807244	M00000254?
Lake Country Board Of Realtors	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	IMPORTED	March 13, 2018	March 13, 2019	Contacts, ContactsSocialMedia, MemberSocialMedia, Property,	253	30642	DD1501807235	M00000182

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REAL ESTATE STANDARDS ORGANIZATION



# CERTIFICATION LAYOUT – NEW

Organization Name	Product Name / Version	Certification Type	Version	Status	Date Certified	Certificate Expiration
Hawaii Information Service (MLS Hawaii)	HIS - Web API Server v1.0	RESO Web API 1.0.2 Gold Server Certification with OpenID Connect	1.0.2 Gold	Active	September 12, 2018	September 12, 2019
Hawaii Information Service (MLS Hawaii)	Hawaii Information Service Variman RETS Server v 3.3	Data Dictionary	1.6 Platinum	Active	January 8, 2019	n/a
Hays Board of REALTORS®	Rapattoni MLS API Server 1.1	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Active	November 14, 2017	November 14, 2018
Heart of Kentucky Association of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Bronze	Expired	January 28, 2016	January 27, 2017
Heart of Kentucky Association of REALTORS®	Black Knight Web API Server 1.0.0	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Expired	February 14, 2017	February 14, 2018
Heart of Kentucky Association of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Gold	Expired	February 27, 2017	February 27, 2018
Heart of Kentucky Association of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	Expired	March 20, 2018	March 20, 2019
Heart of Kentucky Association of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server	Data Dictionary	1.6 Platinum	Active	September 20, 2018	September 20, 2019
Heart of Kentucky Association of REALTORS®	Black Knight Web API Server 1.0.0	RESO Web API 1.0.2 Bronze Server Certification with OpenID Connect	1.0.2 Bronze	Active	October 5, 2018	October 5, 2019
Heart of Missouri Board of REALTORS®	FBS Spark Web API Server 1.32.9	Data Dictionary	1.5 Silver	Replaced	July 6, 2018	July 6, 2019
Heart of Missouri Board of REALTORS®	FBS Spark Web API Server 1.32.9	Data Dictionary	1.4 Bronze	Expired	December 9, 2015	December 8, 2016
Heart of Missouri Board of REALTORS®	FBS Spark Web API Server 1.32.9	RESO Web API 1.0.2 Core Server Certification with OpenID Connect	1.0.2 Core	Expired	November 18, 2016	November 18, 2017
Heart of Missouri Board of REALTORS®	FBS Spark Web API Server 1.32.9	RESO Web API 1.0.2 Platinum Server Certification with OpenID Connect	1.0.2 Platinum	Active	July 2, 2018	July 2, 2019
Heart of Missouri Board of REALTORS®	FBS Spark Web API Server 1.32.9	Data Dictionary	1.6 Platinum	Active	March 19, 2020	n/a
Heartland Association of REALTORS®	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Bronze	Expired	March 4, 2016	March 4, 2017
Heartland Association of REALTORS®	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Gold	Expired	May 12, 2017	May 12, 2018
Heartland Board of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Bronze	Unnecessary	January 19, 2016	January 18, 2017
Heartland Board of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Gold	Unnecessary	March 23, 2017	March 23, 2018
Heartland Board of REALTORS®	Black Knight Web API Server 1.0.0	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Unnecessary	July 14, 2017	July 14, 2018
Heartland Board of REALTORS®	Systems Engineering, Inc. Navica Revolution RETS 1.8.0 Server	Data Dictionary	1.6 Gold	Unnecessary	March 28, 2018	March 28, 2019
Heartland Board of REALTORS®	Systems Engineering, Inc. Navica Revolution Web API 1.0.2 Server 1.0.3	RESO Web API 1.0.2 Gold Server Certification with OpenID Connect	1.0.2 Gold	Unnecessary	May 30, 2018	May 30, 2019
Heartland MLS	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Bronze	Expired	October 23, 2015	October 22, 2016
Heartland MLS	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Silver	Expired	October 12, 2016	October 12, 2017
Heartland MLS	CoreLogic Trestle Web API Server 1.0.2.678	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Expired	December 7, 2016	December 7, 2017
Heartland MLS	CoreLogic Trestle Web API Server 1.0.2.678	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Expired	June 5, 2017	June 5, 2018
Heartland MLS	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.5 Platinum	Active	August 3, 2017	August 3, 2018
Heartland MLS	CoreLogic Trestle WebAPI 3.0	RESO Web API 1.0.2 Server Certification with OAuth 2 Client Credentials	1.0.2 Gold	Active	May 2, 2018	May 2, 2019
Helena Multiple Listing Service	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Bronze	Expired	December 29, 2015	December 28, 2016
Helena Multiple Listing Service	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Gold	Expired	February 27, 2017	February 27, 2018
Helena Multiple Listing Service	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	Expired	March 19, 2018	March 19, 2019
Helena Multiple Listing Service	Black Knight Web API Server v1.0.0	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Active	November 27, 2017	November 27, 2018
Helena Multiple Listing Service	Black Knight Paragon 5.x RETS 1.8 Server	Data Dictionary	1.6 Platinum	Active	September 20, 2018	September 20, 2019
Henderson Audubon Board of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Bronze	Expired	December 29, 2015	December 28, 2016
Henderson Audubon Board of REALTORS®	Black Knight Web API Server 1.0.0	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Expired	February 14, 2017	February 14, 2018
Henderson Audubon Board of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.4	Data Dictionary	1.4 Gold	Expired	February 27, 2017	February 27, 2018
Henderson Audubon Board of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server 1.5	Data Dictionary	1.5 Platinum	Expired	March 20, 2018	March 20, 2019
Henderson Audubon Board of REALTORS®	Black Knight Paragon 5.x RETS 1.8 Server	Data Dictionary	1.6 Platinum	Active	September 20, 2018	September 20, 2019
Henderson Audubon Board of REALTORS®	Black Knight Web API Server 1.0.0	RESO Web API 1.0.2 Bronze Server Certification with OpenID Connect	1.0.2 Bronze	Active	October 5, 2018	October 5, 2019
Henderson County Board of REALTORS®	Systems Engineering, Inc. Navica Revolution RETS 1.8.0 Server	Data Dictionary	1.6 Platinum	Active	July 2, 2018	July 2, 2019
Henderson County Board of REALTORS®	Systems Engineering, Inc. Navica Revolution Web API 1.0.2 Server 1.0.3	RESO Web API 1.0.2 Gold Server Certification with OpenID Connect	1.0.2 Gold	Active	December 10, 2018	n/a
Hernando County Association of REALTORS®	FBS Spark Web API Server 1.32.9	Data Dictionary	1.5 Silver	Active	January 8, 2018	January 8, 2019
Hernando County Association of REALTORS®	FBS Spark Web API Server 1.32.9	RESO Web API 1.0.2 Platinum Server Certification with OpenID Connect	1.0.2 Platinum	Active	July 10, 2018	July 10, 2019
HiCentral MLS (Honolulu Board of REALTORS®)	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Bronze	Expired	October 19, 2015	October 18, 2016
HiCentral MLS (Honolulu Board of REALTORS®)	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Silver	Expired	October 12, 2016	October 12, 2017
HiCentral MLS (Honolulu Board of REALTORS®)	CoreLogic Trestle Web API Server 1.0.2.678	RESO Web API 1.0.2 Core Server Certification with OAuth 2 Bearer Token	1.0.2 Core	Expired	February 3, 2017	February 3, 2018
HiCentral MLS (Honolulu Board of REALTORS®)	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.4 Gold	Expired	May 16, 2017	May 16, 2018
HiCentral MLS (Honolulu Board of REALTORS®)	CoreLogic RETS 1.8.0 Server	Data Dictionary	1.5 Platinum	Expired	August 3, 2017	August 3, 2018

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REAL ESTATE STANDARDS ORGANIZATION





An abstract graphic on the left side of the slide featuring a dark background with a network of white lines and dots, resembling a molecular structure or a digital network. The lines connect various points, some of which are highlighted with bright, star-like glows.

THIRD THINGS THIRD

# Applications & Ticketing System

A thin, vertical white line located on the right side of the slide, positioned to the right of the main title.

#RESOremote  
REAL ESTATE STANDARDS ORGANIZATION





JIRA



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REAL ESTATE STANDARDS ORGANIZATION





# OOOO, THAT'S NASTY

- Imported Unclean Records
- Named from RESO Membership
- Named from Online Applications
- Named from MLS Vendor Lists
- Names NOT Pulling from OUID





# OOOO, THAT'S NASTY

Feeds back into the  
certification sheet.

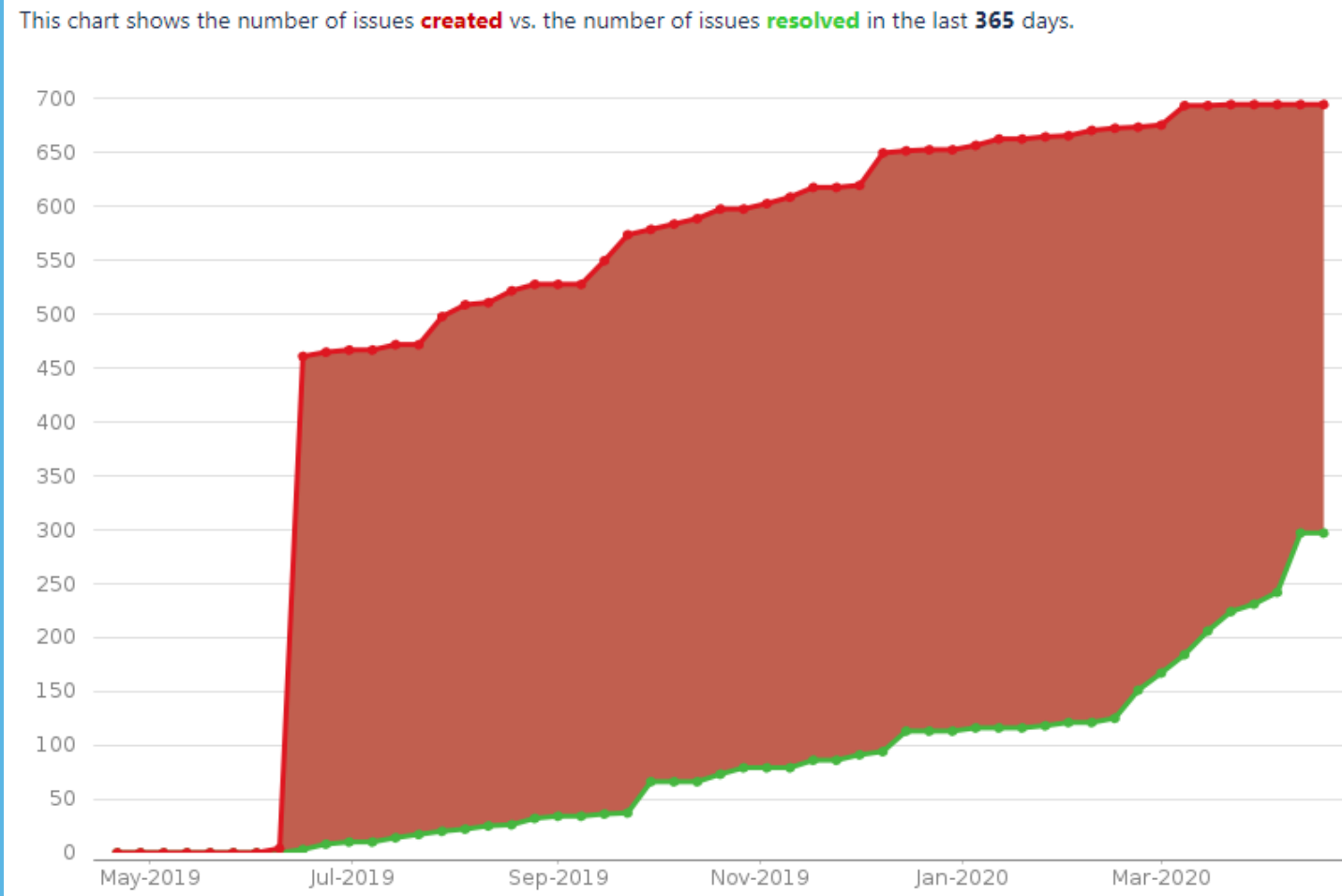
Feeds the online  
certification list.







# OOOO, THAT'S NASTY



# CERTIFICATION RULES EXPLAINED

## RESO Certification Expiration Clarification

Based on RESO Board of Directors direction, active certifications for any type of organization certified will expire when the awarded certification is older than the two most recent versions of a specific standard. *(Passed December 1, 2018)*

	Data Dictionary 1.5	Data Dictionary 1.6	Data Dictionary 1.7	Web API Server 1.0.2	Web API Server 1.0.3
<b>Adopted</b>	Standard: 6/21/2016 Tool Status: Available	Standard: 8/4/2017 Tool Status: Available	Standard: 12/28/2018 Tool Status: In Dev (Est. Q3 2020)	Standard: Est. 2015 Tool Status: Available (WASTT)	Standard: 12/28/2018 Tool Status: In Dev (RESO Commander)
<b>RESO Membership Implementation</b>	PAST DUE: June 2017	PAST DUE: Aug 2018	DUE: Est. Q3 2020 (Platinum Level plus IDX Payload) NAR	PAST DUE: Est 2016	DUE: One Year After RESO Commander's Completion, Est Q2 2020
<b>Certification Expiration Conditions</b>	EXPIRES when DD170 Testing Tool is completed.	EXPIRES when DD180 Testing Tool is completed.	EXPIRES when DD190 Testing Tool is completed.	EXPIRES when WA 1.1 (or next version) Testing Tool is completed.	EXPIRES when WA 1.2 (or next version) Testing Tool is completed.

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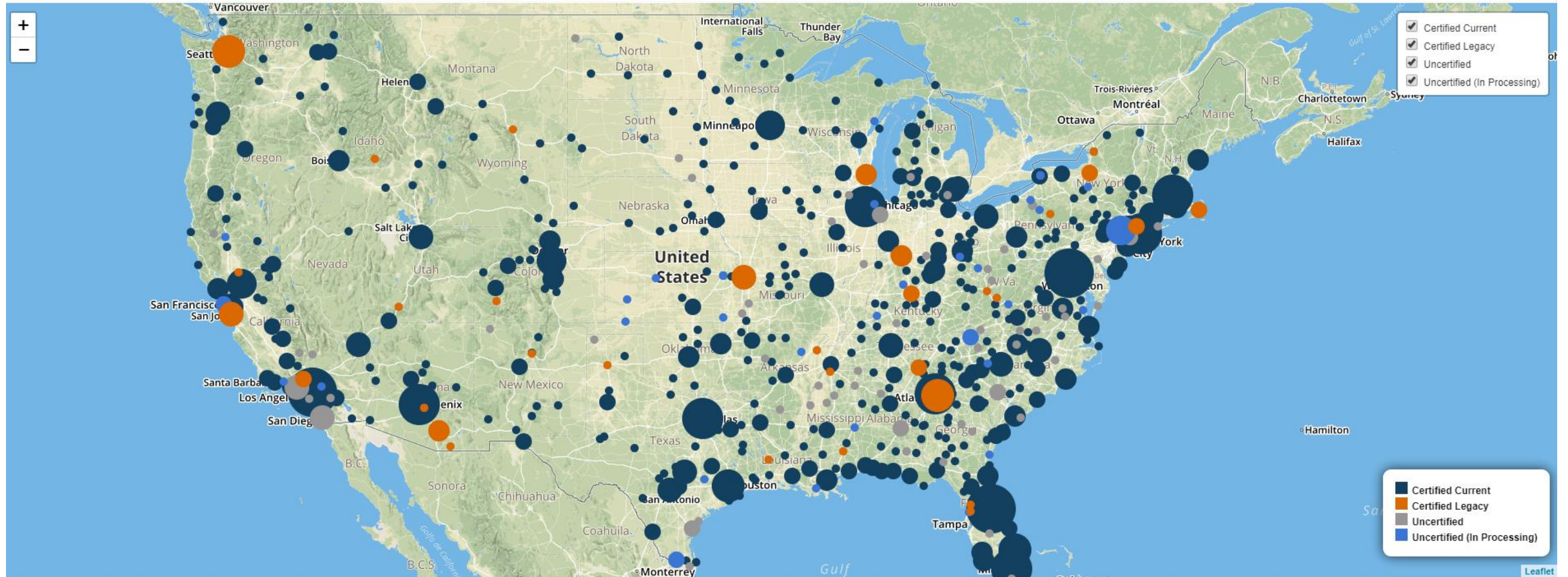
# CERT CATEGORIES

- Certified Current
- Certified Legacy
- Uncertified (Pending)
- Uncertified





# CERTIFICATION MAP



[Download CSV Spreadsheet for Excel](#) | [DOWNLOAD JSON](#)

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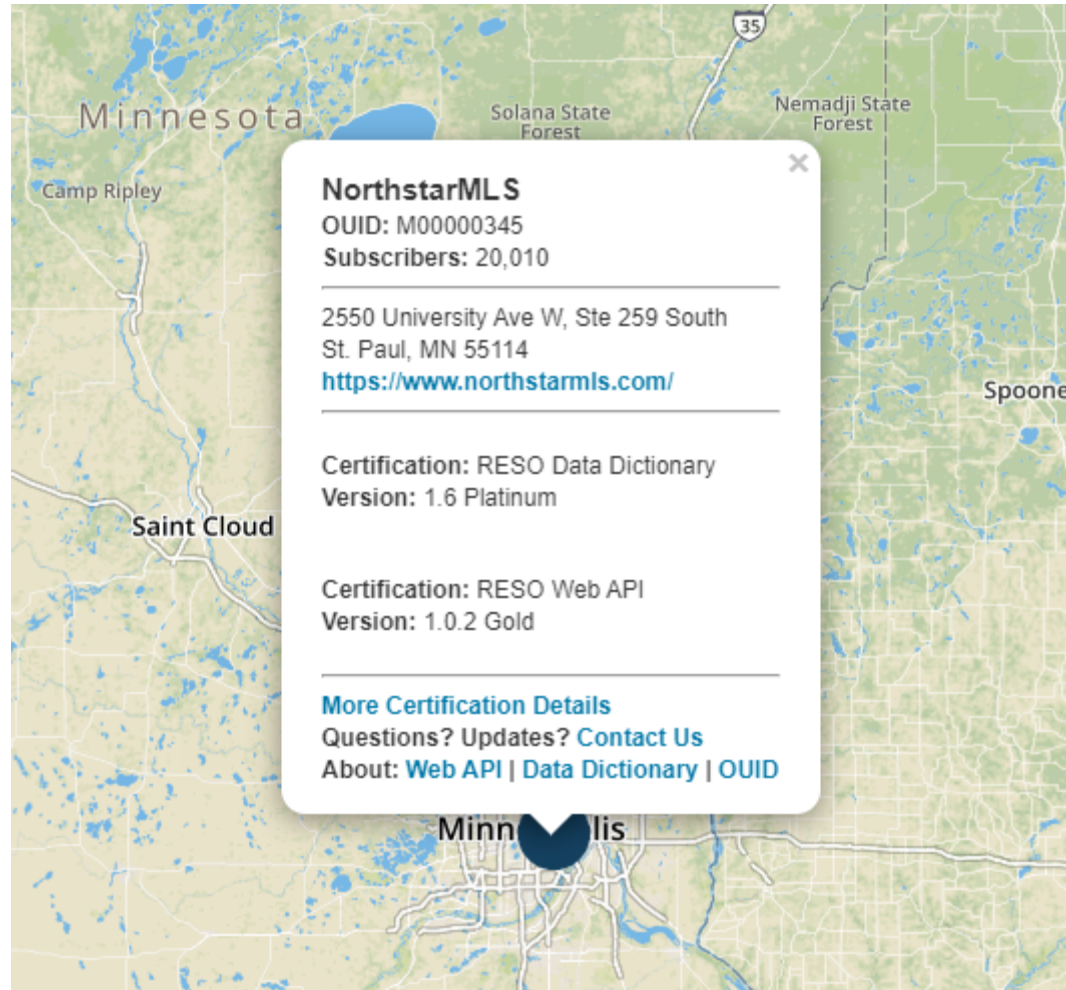


# POPUP DETAILS

- OUID
- Subscribers
- Address
- Website
- Certifications
- Other Details



# CERTIFICATION MAP POPUP





# A MAP! LEAFLET



*an open-source JavaScript library for  
mobile-friendly interactive maps*

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FUN FACTS

MLSs in the U.S.

595





## FUN FACTS

**Local Associations  
in the U.S.**

**1,114**



## FUN FACTS

Canada Counts?

We'll Get  
There



YOU, TOO, CAN HELP!

## OID API Update Request Form

Name\*

Email\*

Comments/Message\*

Send

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# THANK YOU!

Let's go look  
at that map!

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